RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10 821,001 B

Source: IFW 16

Date Processed by STIC: 6/22/06

ENTERED

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        RAW SEQUENCE LISTING              DATE: 06/22/2006
        PATENT APPLICATION:  US/10/821,001B    TIME: 14:33:28

        Input Set : A:\NS104D1C1_seqlisting_061606.txt
        Output Set: N:\CRF4\06222006\J821001B.raw


 4 <110> APPLICANT: Palese, Peter
 5        Garcia-Sastre, Adolfo
 7 <120> TITLE OF INVENTION: RECOMBINANT NEGATIVE STRAND RNA VIRUS
 8        EXPRESSION SYSTEMS AND VACCINES
11 <130> FILE REFERENCE: 26-003700US
13 <140> CURRENT APPLICATION NUMBER: US/10/821,001B
14 <141> CURRENT FILING DATE: 2004-04-07
16 <150> PRIOR APPLICATION NUMBER: 09/106,377
17 <151> PRIOR FILING DATE: 1998-06-29
19 <150> PRIOR APPLICATION NUMBER: 08/252,508
20 <151> PRIOR FILING DATE: 1994-06-01
22 <160> NUMBER OF SEQ ID NOS: 71
24 <170> SOFTWARE: FastSEQ for Windows Version 4.0
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 21
28 <212> TYPE: DNA
29 <213> ORGANISM: Artificial Sequence
31 <220> FEATURE:
32 <223> OTHER INFORMATION: Primer for rescue of the mutant NA gene into virus particles
34 <400> SEQUENCE: 1
35 tacgaggaaa tgttcctgtt a                                    21
37 <210> SEQ ID NO: 2
38 <211> LENGTH: 19
39 <212> TYPE: PRT
40 <213> ORGANISM: Influenza virus
42 <400> SEQUENCE: 2
43 Gln Leu Val Trp Met Ala Cys Asn Ser Ala Ala Phe Glu Asp Leu Arg
44 1               5                   10                  15
45 Val Leu Ser
49 <210> SEQ ID NO: 3
50 <211> LENGTH: 16
51 <212> TYPE: PRT
52 <213> ORGANISM: Influenza virus
54 <220> FEATURE:
55 <223> OTHER INFORMATION: epitope within the NP protein
57 <400> SEQUENCE: 3
58 Thr Tyr Gln Arg Thr Arg Gln Leu Val Arg Leu Thr Gly Met Asp Pro
59 1               5                   10                  15
62 <210> SEQ ID NO: 4
63 <211> LENGTH: 95
64 <212> TYPE: DNA
65 <213> ORGANISM: Artificial Sequence
67 <220> FEATURE:
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Input Set : A:\NS104D1C1_seqlisting_061606.txt
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68 <223> OTHER INFORMATION: Primer for construction of plasmid pV-wt
70 <400> SEQUENCE: 4
71 gaagcttaat acgactcact ataagtagaa acaagggtgt tttttcatat catttaaact 60
72 tcaccctgct tttgctgaat tcattcttct gcagg   95
74 <210> SEQ ID NO: 5
75 <211> LENGTH: 95
76 <212> TYPE: DNA
77 <213> ORGANISM: Artificial Sequence
79 <220> FEATURE:
80 <223> OTHER INFORMATION: Primer for construction of plasmid pM-wt
82 <400> SEQUENCE: 5
83 gaagcttaat acgactcact ataagcaaaa gcagggtgaa gtttaaatga tatgaaaaaa 60
84 caccccttgtt tctactgaat tcattcttct gcagg   95
86 <210> SEQ ID NO: 6
87 <211> LENGTH: 68
88 <212> TYPE: DNA
89 <213> ORGANISM: Artificial Sequence
91 <220> FEATURE:
92 <223> OTHER INFORMATION: Primer for construction of plasmid pV-d5'
94 <400> SEQUENCE: 6
95 agcttaatac gactcactat aagatctatt aaacttcacc ctgcttttgc tgaattcatt 60
96 cttctgca   68
98 <210> SEQ ID NO: 7
99 <211> LENGTH: 60
100 <212> TYPE: DNA
101 <213> ORGANISM: Artificial Sequence
103 <220> FEATURE:
104 <223> OTHER INFORMATION: Primer for construction of plasmid pV-d5'
106 <400> SEQUENCE: 7
107 gaagaatgaa ttcagcaaaa gcagggtgaa gtttaataga tcttatagtg agtcgtatta 60
110 <210> SEQ ID NO: 8
111 <211> LENGTH: 42
112 <212> TYPE: DNA
113 <213> ORGANISM: Artificial Sequence
115 <220> FEATURE:
116 <223> OTHER INFORMATION: Primer for construction of plasmid pHgaNS
118 <400> SEQUENCE: 8
119 ccgaattctt aatacgactc actataagta gaaacaaggg tg   42
121 <210> SEQ ID NO: 9
122 <211> LENGTH: 30
123 <212> TYPE: DNA
124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: Primer for construction of plasmid pHgaNS
129 <400> SEQUENCE: 9
130 cctctagacg ctcgagagca aaagcaggtg   30
132 <210> SEQ ID NO: 10
133 <211> LENGTH: 15
134 <212> TYPE: RNA

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135 <213> ORGANISM: Artificial Sequence
137 <220> FEATURE:
138 <223> OTHER INFORMATION: Primer for construction of plasmid pHgaNS
140 <400> SEQUENCE: 10
141 cacccugcuu uugcu                                              15
143 <210> SEQ ID NO: 11
144 <211> LENGTH: 15
145 <212> TYPE: RNA
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: Primer for generating point mutations in promoter sequence
151 <400> SEQUENCE: 11
152 cacccugcuu uuacu                                              15
154 <210> SEQ ID NO: 12
155 <211> LENGTH: 15
156 <212> TYPE: RNA
157 <213> ORGANISM: Artificial Sequence
159 <220> FEATURE:
160 <223> OTHER INFORMATION: Primer for generating point mutations in promoter sequence
162 <400> SEQUENCE: 12
163 cacccugcuu cugcu                                              15
165 <210> SEQ ID NO: 13
166 <211> LENGTH: 15
167 <212> TYPE: RNA
168 <213> ORGANISM: Artificial Sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: Primer for generating point mutations in promoter sequence
173 <400> SEQUENCE: 13
174 cacccuguuu cugcu                                              15
176 <210> SEQ ID NO: 14
177 <211> LENGTH: 16
178 <212> TYPE: RNA
179 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Primer for generating point mutations in promoter sequence
184 <400> SEQUENCE: 14
185 cacccuugcu uuugcu                                             16
187 <210> SEQ ID NO: 15
188 <211> LENGTH: 15
189 <212> TYPE: RNA
190 <213> ORGANISM: Artificial Sequence
192 <220> FEATURE:
193 <223> OTHER INFORMATION: Primer for generating point mutations in promoter sequence
195 <400> SEQUENCE: 15
196 cacccuguuu uuacu                                              15
198 <210> SEQ ID NO: 16
199 <211> LENGTH: 15
200 <212> TYPE: RNA
201 <213> ORGANISM: Artificial Sequence
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RAW SEQUENCE LISTING   DATE: 06/22/2006
PATENT APPLICATION: US/10/821,001B   TIME: 14:33:28

Input Set : **A:\NS104D1C1_seqlisting_061606.txt**
Output Set: **N:\CRF4\06222006\J821001B.raw**

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203 <220> FEATURE:
204 <223> OTHER INFORMATION: Primer for generating point mutations in promoter sequence
206 <400> SEQUENCE: 16
207 cacccuguuu uugcu                                         15
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210 <211> LENGTH: 16
211 <212> TYPE: RNA
212 <213> ORGANISM: Artificial Sequence
214 <220> FEATURE:
215 <223> OTHER INFORMATION: Primer for generating point mutations in promoter sequence
217 <400> SEQUENCE: 17
218 cacccuugcu uuuacu                                        16
220 <210> SEQ ID NO: 18
221 <211> LENGTH: 16
222 <212> TYPE: RNA
223 <213> ORGANISM: Artificial Sequence
225 <220> FEATURE:
226 <223> OTHER INFORMATION: Primer for generating point mutations in promoter sequence
228 <400> SEQUENCE: 18
229 cacccuuguu uuuacu                                        16
231 <210> SEQ ID NO: 19
232 <211> LENGTH: 16
233 <212> TYPE: RNA
234 <213> ORGANISM: Artificial Sequence
236 <220> FEATURE:
237 <223> OTHER INFORMATION: Primer for generating point mutations in promoter sequence
239 <400> SEQUENCE: 19
240 cacccuuguu ucuacu                                        16
242 <210> SEQ ID NO: 20
243 <211> LENGTH: 96
244 <212> TYPE: DNA
245 <213> ORGANISM: Artificial Sequence
247 <220> FEATURE:
248 <223> OTHER INFORMATION: Primer
250 <400> SEQUENCE: 20
251 ctagacgccc tgcagcaaaa gcagggtgac aaagacataa tggagaaaaa aatcactggg 60
252 tataccaccg ttgatatatc ccaatcgcat cgtaaa        96
254 <210> SEQ ID NO: 21
255 <211> LENGTH: 96
256 <212> TYPE: DNA
257 <213> ORGANISM: Artificial Sequence
259 <220> FEATURE:
260 <223> OTHER INFORMATION: Primer for generating flanking sequences of NS RNA to fuse
with the
261         coding sequence of the CAT gene
263 <400> SEQUENCE: 21
264 gttctttacg atgcgattgg gatatatcaa cggtggtata cccagtgatt tttttctcca 60
265 ttatgtcttt gtcaccctgc ttttgctgca gggcgt                 96
267 <210> SEQ ID NO: 22
268 <211> LENGTH: 34
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269 <212> TYPE: DNA
270 <213> ORGANISM: Artificial Sequence
272 <220> FEATURE:
273 <223> OTHER INFORMATION: Primer for generating flanking sequences of NS RNA to fuse
with the
274         coding sequence of the CAT gene
276 <400> SEQUENCE: 22
277 actgcgatga gtggcagggc ggggcgtaat agat                          34
279 <210> SEQ ID NO: 23
280 <211> LENGTH: 38
281 <212> TYPE: DNA
282 <213> ORGANISM: Artificial Sequence
284 <220> FEATURE:
285 <223> OTHER INFORMATION: Primer for construction of plasmid pIVACAT1
287 <400> SEQUENCE: 23
288 ctagatctat tacgccccgc cctgccactc atcgcagt                      38
290 <210> SEQ ID NO: 24
291 <211> LENGTH: 34
292 <212> TYPE: DNA
293 <213> ORGANISM: Artificial Sequence
295 <220> FEATURE:
296 <223> OTHER INFORMATION: Primer
298 <400> SEQUENCE: 24
299 actgcgatga gtggcagggc ggggcgtaat agat        34
301 <210> SEQ ID NO: 25
302 <211> LENGTH: 38
303 <212> TYPE: DNA
304 <213> ORGANISM: Artificial Sequence
306 <220> FEATURE:
307 <223> OTHER INFORMATION: Primer for generating flanking sequences of NS RNA to fuse
with the
308         coding sequence of the CAT gene
310 <400> SEQUENCE: 25
311 ctagatctat tacgccccgc cctgccactc atcgcagt                      38
313 <210> SEQ ID NO: 26
314 <211> LENGTH: 97
315 <212> TYPE: DNA
316 <213> ORGANISM: Artificial Sequence
318 <220> FEATURE:
319 <223> OTHER INFORMATION: Primer for construction of plasmid pIVACAT1
321 <400> SEQUENCE: 26
322 ctagacgccc tgcagcaaaa gcagggtgac aaagacataa tggagaaaaa aaatcactgg 60
323 gtataccacc gttgatatat cccaatcgca tcgtaaa                       97
325 <210> SEQ ID NO: 27
326 <211> LENGTH: 96
327 <212> TYPE: DNA
328 <213> ORGANISM: Artificial Sequence
330 <220> FEATURE:
331 <223> OTHER INFORMATION: Primer for construction of plasmid pIVACAT1
333 <400> SEQUENCE: 27
334 gttctttacg atgcgattgg gatatatcaa cggtggtata cccagtgatt tttttctcca 60
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VERIFICATION SUMMARY   DATE: 06/22/2006
PATENT APPLICATION: US/10/821,001B   TIME: 14:33:29

Input Set : **A:\NS104D1C1_seqlisting_061606.txt**
Output Set: **N:\CRF4\06222006\J821001B.raw**

L:13 M:270 C: Current Application Number differs, Replaced Current Application Number
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date